

EMAB meeting – May 29-31, 2012 – Yellowknife

May 29, 2012

Present:

Charlie Catholique, Lutsel K'e Dene First Nation

Mike Nitsiza, Tlicho Government, alternate

Sheryl Grieve, North Slave Metis Alliance

Seth Bohnet, Diavik, alternate

Call in:

Doug Crossley, Kitikmeot Inuit Association, Chair

Steve Ellis, Government of the Northwest Territories, ENR

Staff:

Mark Fenwick, Executive Director

Michele LeTourneau, Communication Coordinator

Guest:

Leanne Zrum, North/South

---

Meeting started at 9:15

Welcome from Chair. Noted that EMAB has Tlicho representation once again.

#### 5. Approval of Agenda

Motion:

Approve agenda.

Moved: Sheryl Grieve

Second: Seth Bohnet

Carried

#### 1. AEMP – Leanne Zrum

Leanne Zrum leads the Board members through the Aquatic Effects Monitoring Program and Report review, explaining the result and North/South's assessment. Discussion.

- The 2011 program was conducted under the 2007 design with an “intensive” monitoring frequency as early warning/low effect levels (or higher) had been reached for all of the monitored components over the past three years (except Lake Trout).
- At the “intensive” level, Slimy Sculpin and sediments only need to be monitored every 2 years.
- Both were measured in 2010 so there was no requirement to sample in 2011 according to the 2007 AEMP design.

The 2011 program included the following components:

- Dust Deposition (dust gauges and snow cores);
- Effluent and Water Chemistry (effluent from the North Inlet Water Treatment Plant and lake water);
- Benthic Invertebrates (small organisms living on/in the lake bottom);
- Mercury in Lake Trout (non-lethal muscle/skin ‘plugs’);
- Plankton (algae and microscopic animals);
- Eutrophication Indicators (nutrients, chlorophyll a, zooplankton biomass);
- Weight-of-Evidence (standardized/transparent assessment of information from other components).

General comments:

- 2011 AEMP results reflect those observed in previous years – nutrient enrichment remains the dominant aquatic effect being detected.
- The non-technical summary is generally consistent with the more detailed information provided in the technical appendices.
- Recommendations provided in the technical appendices are sound and several have been considered in the modified design (submitted Oct. 2011).
- DDMI brings the recommendations forward to the non- technical summary and provides an update concerning their status and/or additional measures being undertaken to improve the overall quality of the AEMP.

Weight of Evidence comments:

- Sediment quality was not measured in Lac de Gras in 2011, and therefore, an estimate of 2011 sediment quality was made by considering the sediment quality findings from 2008 to 2010 – approach seems reasonable.
- WOE separates responses of chlorophyll a and TP when assigning an effect level rating – seems more appropriate than combined approach in Eutrophication Indicators as factors other than nutrients may influence phytoplankton (e.g., grazing).
- Shifts in phytoplankton community structure, e.g., increases in cyanobacteria, may be linked to nutrient enrichment – consider incorporating evidence of changes in community structure in future WOE.

Members will discuss next steps re: the comments at the end of the day.

Lunch: 12:00-1:00

2. AEMP David Wells/Diavik

David Wells leads the Board through their AEMP results.

5. Approval of Minutes

December minutes. Tabled until Thursday.

Motion:

Approve minutes of February 21-23, 2012.

Moved: Seth Bohnet

Second: Charlie Catholique

Carried

Motion:

Approve minutes of March 9, 2012 teleconference.

Moved: Sheryl Grieve

Second: Charlie Catholique

Carried

**Email Resolution – March 9, 2012**

**Motion: Approval of Draft Budget as per March 9<sup>th</sup> circulation**

Moved: Steve Ellis

Seconded: Floyd Adlem

VOTING	For	Against
Doug Crossley	x	
Floyd Adlem	x	
Napolean MacKenzie		
Charlie Catholique	x	
Sheryl Grieve	x	
Steve Ellis	x	
Ted Blondin		
Colleen English		x

**Email Resolution – April 11, 2012**

**Motion: Accept Business Rules 5.0 as written**

Moved: Sheryl Grieve

Seconded: Stephen Ellis

VOTING	For	Against
Doug Crossley	x	
Floyd Adlem	x	

	_____	_____
Napolean MacKenzie		
	_____	_____
Charlie Catholique	x	
	_____	_____
Sheryl Grieve	x	
	_____	_____
Steve Ellis	x	
	_____	_____
Ted Blondin		
	_____	_____
Colleen English	x	
	_____	_____

**Email Resolution – April 27, 2012**

**Motion: Move to remove the 10km zone of influence as related to Grizzly Bear monitoring in regards to DDMI and any responsibilities that DDMI has regarding the 10km ZOI. There does not seem to be any concrete rationale to hold DDMI to the 10km ZOI of influence given that the range of adult Grizzly Bears makes the 10km ZOI impractical.**

Moved: Floyd Adlem

Seconded: Steve Ellis

VOTING                      For                      Against

Doug Crossley	x	
	_____	_____

Floyd Adlem	<u>          </u> x <u>          </u>	<u>          </u>  <u>          </u>
Napolean MacKenzie	<u>          </u> x <u>          </u>	<u>          </u>  <u>          </u>
Charlie Catholique	<u>          </u> x <u>          </u>	<u>          </u>  <u>          </u>
Sheryl Grieve	<u>          </u>  <u>          </u>	<u>          </u> x <u>          </u>
Steve Ellis	<u>          </u> x <u>          </u>	<u>          </u>  <u>          </u>
Ted Blondin	<u>          </u>  <u>          </u>	<u>          </u>  <u>          </u>
Robert Eno	<u>          </u> x <u>          </u>	<u>          </u>  <u>          </u>
Colleen English	<u>          </u> x <u>          </u>	<u>          </u>  <u>          </u>

**Email Resolution – April 27, 2012**

**Motion: To pass the mini TK report to Diavik**

Moved: Steve Ellis

Seconded: Floyd Adlem

VOTING	For	Against
Doug Crossley	<u>          </u> x <u>          </u>	<u>          </u>  <u>          </u>
Floyd Adlem	<u>          </u> x <u>          </u>	<u>          </u>  <u>          </u>

Napolean MacKenzie	_____	_____
	_____	_____
Charlie Catholique	x	
Sheryl Grieve	_____	x
	_____	_____
Steve Ellis	x	
	_____	_____
Ted Blondin		
Robert Eno	_____	_____
	_____	_____
Colleen English	x	
	_____	_____

13. Misc.

Diavik Communities Advisory Board (DCAB) update

The DCAB office has now moved into EMAB's building and rents a space downstairs. DCAB will be using the EMAB/IEMA boardroom when it is available.

Staff is revising the Operations Manual and will provide a draft to the Board.

**ACTION ITEM:** EMAB will submit its comments on the AEMP report, by deadline, to the WLWB.

May 30, 2012

Present:

- Charlie Catholique, Lutsel K'e Dene First Nation
- Mike Nitsiza, Tlicho Government, alternate
- Sheryl Grieve, North Slave Metis Alliance
- Seth Bohnet, Diavik, alternate
- Steve Ellis, Government of the Northwest Territories, ENR

Call in:

Doug Crossley, Kitikmeot Inuit Association, Chair

Staff:

Mark Fenwick, Executive Director

Michele LeTourneau, Communication Coordinator

Guest:

Petr Komers, MSES

---

Meeting started at 9:10

### 3. Wildlife Monitoring Program (WMP) – Petr Komers

Petr leads the Board members through the Aquatic Effects Monitoring Program and Report review, explaining the result and North/South's assessment. Discussion.

Notable:

- Caribou Zone of Influence – The question remains: Adjust the prediction of the ZOI or adjust mitigation? Noted that we could change the prediction to fit results 10 years later but should we not try harder to find mitigation measures?
- More on the ground observation would be good. TK/IQ would be valuable in this area. Need to, literally, spend more time with the animals. More intensive behavioural scans are needed.
- Still, after 10 years, sets of data for Ekati and Diavik are not standardized.
- Close up ingestion studies are needed.

Lunch 12:00 – 1:10

### 4. WMP – David Wells/Diavik

David Wells leads the Board and guests through their WMP results. Discussion and questions.

Issues that came up again:

Behavioural scans – Still not standardized with Ekati.

Indirect habitat loss needs attention

Behavioural scans need more precision, as in cows with calves.

Noted: Diavik is looking at the EMAB TK/IQ Panel recommendations to improve behavioral scans.

Noted that TK could be used as a tool to look back at pre-mine information.



ACTION ITEM: EMAB will write a conveyance letter to pass on the recommendations from MSES on WMP to Diavik, and cc ENR.

Q: Was the Lichen Report review passed on to Diavik?

A: Staff will verify.

May 31, 2012

Charlie Catholique, Lutsel K'e Dene First Nation  
Mike Nitsiza, Tlicho Government, alternate  
Sheryl Grieve, North Slave Metis Alliance  
Colleen English, Diavik  
Seth Bohnet, Diavik, alternate

Call in:

Doug Crossley, Kitikmeot Inuit Association, Chair  
Steve Ellis, Government of the Northwest Territories, ENR

Staff:

Mark Fenwick, Executive Director  
Michele LeTourneau, Communication Coordinator

---

Meeting started at 9:05

5. Approval of minutes

Motion:

Approve December 7 -8, 2012 minutes.

Moved: Colleen English

Second: Steve Ellis

6. TK/IQ Panel Update

1. TK/IQ Panel session on caribou behaviour monitoring

- a. SoP recommendations from panel – Sent to Gord (CCed Colleen & Seth)

Note: As indicated in this set of recommendations, the TK/IQ Panel requested that this be expedited after the reviewed their statement in the session. EMAB, through a motion, conveyed these to Diavik.



Moved: Charlie Catholique

Second: Steve Ellis

Carried

9. AANDC Inspector – Tracey Covey

Inspection report and PowerPoint available on request.

- Items the inspector is keeping an eye on:
- Waste management
- Air Quality: The new incinerator will be commissioned
- Will continue to follow up on dust and seepage
- Keeping an eye on fuel.
- Inspector samples water in specific locations when needed and those sample are handled by the Taiga lab in Yellowknife

7. Diavik community engagement – Colleen English.

Colleen English updates the Board on activities.

In November 2011, Diavik started working with communities – trying for inclusion of TK in AEMP. This is driven, developed and finalized by communities themselves

Natasha Thorpe is the link between the communities and Diavik. Each community has had a first round of hearings focusing on target, goals, what we want to achieve.

The focus is indicators of fish health and water quality. Will be starting a second round of meetings – the working groups are developing ideas of what they want to teach, such as making nets with twine or willows. Where to set them, how to set them. The camp will be cross-cultural. Diavik will be teaching some science, as well. And scientists will be learning from Elders.

On June 5-6 Diavik will bring all the participants together by the Yellowknife Bridge and will work out the finer points of the camp to be held end of July/early August.

Most participants have opted out of a mine site visits.  
There will be a video component as part of the documentation.

Lunch from 12:00 to 1:10.

10. Wildlife

Grizzly – Information in binder. Letters were exchanged amongst ENR, Diavik and EMAB. Diavik is proceeding with dropping the 10 km Zone of Influence for Grizzly.

#### 11. Strategic Plan

Board communication protocol. Michele will work with Floyd, Sheryl and Julian.

ACTION ITEM: Bring Kevin in on the Strategic Plan teleconference On June 18.

ACTION ITEM: The Chair will speak with NSMA's Bill Enge re: issues with NSMA.

Motion:

Adjourn

Moved: Charlie

Closing prayer: Mike Nitsiza